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AUTHOR Graziano, Anthony F.
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ABSTRACT

The rate of increase of Illinois junior college enrollment has decreased for the past several years. One reason for this may lie in the fact that the consumption of a service has its greatest rate of increase in the early stages of the supply of the service. As the unmet demand for it becomes satisfied, additional consumption decreases, approaches zero, or may become negative if the consumer population becomes smaller. This paper deals with two demographic factors which are likely to limit junior college growth: (1) the size of high school graduating classes, which are reaching a natural limit because of the deceleration of the birthrate in the late 50s and early 60s; and (2) the shifting nature of the demand for junior college instructional programs. The following data, tabulated in appendices, are discussed in relation to these two factors: (1) junior college districts and standard metropolitan statistical areas (SMSA) of Illinois; (2) number of high school graduates--actual to 1970, projected beyond; (3) junior college fall enrollment for the State through 1972; (4) junior college enrollment and high school graduates for the northern, central and southern counties; (5) the distribution of junior college teaching loads by SMSA; and (6) distribution of junior college teaching load by major program subfunctions (baccalaureate, vocational, technology, adult and continuing, and general studies) for the northern, central and southern counties. (KM)

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POSSIBLE LIMITING FACTORS OPERATING ON JUNIOR COLLEGE GROWTH

A. F. Graziano[1]

Illinois junior college enrollment has increased at a decreasing rate for the past several years. The reasons offered for this declining growth rate include the state of the economy; a decrease in the rate of establishing new junior colleges; and a decreased interest in college attendance resulting in a declining college enrollment rate among the State's population as a whole and among the college age population in particular. But there are strong underlying factors related to the dynamics of institutional growth which must be considered.

In the early stages of the supply of a service for which there exists an unmet demand, the "consumption" of that service has its greatest rate of increase. As the unmet demand for a service becomes satisfied over time, *additional* "consumption" of that service begins to decrease and approaches zero if the "consumer" population reaches some steady state size. At some point, in fact, *additional* "consumption" of the service may become negative if the "consumer" population or some major portion of it decreases in size.

Each Illinois junior college serves a geographic locale with boundaries limiting the host population. These geographic locales are presented in Appendix 1 along with a map of the State of Illinois describing the standard metropolitan statistical areas (SMSA) of the State of Illinois and the location of institutions of higher education in Illinois presented for all SMSA's and for the Chicago area.[2] Although there exist no published census

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[1]Assistant Vice Chancellor for Academic Affairs, University of Illinois, Champaign-Urbana Campus, Champaign, Illinois.

[2]G. J. Froehlich, and A. R. Lewandowski, "Enrollment in Institutions of Higher Learning in Illinois, 1972." University Bureau of Institutional Research of the University of Illinois, Champaign, Illinois.

data aggregated by Illinois junior college districts, an overlay of SMSA and county demography upon the junior college districts provides a reasonable approximation of host populations.

It can be assumed that for a given geographic locale there exist combinations of factors influencing the demand for post-secondary educational services provided by a junior college. The major factors are the job market within and external to the region requiring skill improvement for upward and/or lateral mobility; individuals' desires for self-fulfillment; and the size of major components of the "consumer" population.

There are demographic characteristics within a geographic area that describe the "consumer" population and provide essential information for planning the size and nature of the junior college educational services. The demographic factors can be related to large population centers (defined as SMSA's) and to more diffuse populations spread over large portions of the State where no large population concentrations exist. This paper deals with two demographic factors which are likely to limit junior college growth: (a) the size of high school graduating classes which are reaching a natural limit within the State and the nation because of the deceleration of the birthrate in the late 50's and early 60's; and (b) the shifting nature of the demand for junior college instructional programs.

Appendix 2 presents the number of high school graduates within each of the Illinois census SMSA's and each of the three Illinois regions where no large population centers exist (Northern "Downstate", Central "Downstate", and Southern "Downstate"). It presents the actual number of high school graduates from 1967 through 1970 and a projection of high school graduates

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CLEARINGHOUSE FOR
JUNIOR COLLEGE

for the years 1971 through 1988.[3] The projections are based upon recent birthrates, upon grade K through 12 enrollment in Illinois public and parochial schools for 1970 and upon observations of past transfer frequencies from one grade to the next within each county. The data have been summed for each SMSA. Of particular note, Appendix 2 demonstrates that the total number of Illinois high school graduates will peak in 1979, but this peak occurs at different times between 1975 and 1980 in each specific SMSA:

SMSA AND REGIONS NOT INCLUDED IN SMSA'S	YEAR OF PEAK HIGH SCHOOL GRADUATING CLASS
Decatur	1974
East St. Louis	1975
Peoria	1975
Rock Island	1977
Southern "Downstate"	1977
Chicago	1978
Champaign-Urbana	1978
Rockford	1978
Springfield	1978
Central "Downstate"	1978
Northern "Downstate"	1979
Bloomington-Normal	1980

More important than the year in which high school graduation peaks within an SMSA is the fact that the size of the increasing (or decreasing) annual increments is relatively small for each SMSA. In almost every SMSA, the size of the total increment from 1972 to the peak year is also relatively small compared to the size of recent increases, indicating that new high school graduates will not impose large new demands upon the existing junior colleges serving each SMSA. (This observation does not apply to the Bloomington-Normal

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[3]"A Study of the Cohort Survival of Students in Illinois Elementary and Secondary Schools for the Period 1966-1988." University Bureau of Institutional Research of the University of Illinois, Champaign, Illinois. June, 1972.

COMPARISON OF RECENT INCREASES IN HIGH SCHOOL GRADUATES TO
PROJECTED INCREASES IN HIGH SCHOOL GRADUATES BY ILLINOIS SMSA

SMSA And Regions Not Included In SMSA(a)		1967 High School Graduates (Actual)	1972 High School Graduates (Estimated)	Peak Year High School Graduates (Projected)	1967-1972 Increment (Five Year Period)	1972-Peak Increment (From Two To Eight Year Period)	Per Cent Increase 1967-1972	Per Cent Increase 1972 To Peak Year
Decatur	(1974)	1,725	1,900	2,100	175	200	10.1	10.5
East St. Louis	(1975)	6,976	9,500	10,100	2,524	600	36.2	6.3
Peoria	(1975)	4,485	5,700	6,000	1,215	300	27.1	5.3
Rock Island	(1977)	3,284	3,900	4,300	616	400	18.8	10.3
Southern "Downstate"	(1977)	7,937	8,900	9,500	963	600	12.1	6.7
Chicago	(1978)	85,009	104,300	116,100	19,291	11,800	22.7	11.3
Champaign-Urbana	(1978)	1,653	2,300	2,700	647	400	39.1	17.4
Rockford	(1978)	3,284	4,300	4,900	616	600	18.8	13.9
Springfield	(1978)	2,149	2,700	2,900	551	200	25.6	7.4
Central "Downstate"	(1978)	15,531	17,500	19,200	1,969	1,700	12.7	9.7
Northern "Downstate"	(1979)	8,367	10,300	12,100	1,933	1,800	23.1	17.5
Bloomington-Normal	(1980)	1,196	1,500	1,900	304	400	25.4	26.7
STATE TOTAL	(1979)	141,883	172,800	191,200	30,917	18,400	21.8	10.6

(a) Year of peak high school graduation indicated in parenthesis.

SMSA where no junior college district has been established as of 1972; and, of course, it cannot apply to areas of the State which have poor access to present junior colleges.)

Appendix 3 aggregates junior college headcount and FTE enrollments by SMSA's for the period 1967 through 1972 and it demonstrates that 1972 junior college enrollment increases have approached the size of recent increases in the high school graduating classes within the SMSA's. This may be a strong indication that:

1. junior college start-up enrollments have been dominated by a stock of students recently graduated from high school;
2. the junior colleges have caught up with this stock; and
3. future junior college enrollment growth will not dramatically exceed projected rates of increase in high school graduating classes (about 5% per year or less) unless the junior colleges begin to enroll larger proportions of people in older age groups.

In point of fact, an examination of headcount and FTE enrollment over time for each Illinois junior college demonstrates that these institutions grow exponentially for some period of time after they are established, but that with very few exceptions they are now demonstrating saturation of an enrollment demand for the services they provide. Twenty-four of the forty-seven institutions (51%) appear to have saturated demand at less than 3,000 FTE students.

Appendix 4 aggregates for the northern, central, and southern counties the data for Illinois junior college enrollment and high school graduates.

To the extent that the enrollment increases in *existing* junior colleges have been and continue to be affected by the size of high school graduating classes, the northern counties will experience their last significant enrollment increase sometime between 1975 and 1977, the central counties in 1974, and the southern counties will not very likely experience any significant enrollment increases through this decade. The start-up of any new junior college districts within one of the three major zones of the State will have the effect of creating apparent large increases for a short span of time, but new starts in any part of the State ought to be weighed against the possibility of redistricting existing junior colleges. The following table is informative in this regard.

NUMBER OF JUNIOR COLLEGES BY MAJOR ZONE,
DISTRIBUTED BY CURRENT 1972 ENROLLMENT LEVEL

	Full-Time Equivalent						
Major Zone	6000 or more	5000 to 6000	4000 to 5000	3000 to 4000	2000 to 3000	1000 to 2000	Less than 1000
Northern Counties	1	2	3	3	8	7	4
Central Counties			1		3	2	2
Southern Counties				1		4	6

	Headcount						
Major Zone	6000 or more	5000 to 6000	4000 to 5000	3000 to 4000	2000 to 3000	1000 to 2000	Less than 1000
Northern Counties	8	1	5	5	3	5	1
Central Counties	1		2		2	3	
Southern Counties			1		2	5	3

There is one further observation that must be considered in planning the extension of junior college enrollment capacity. The nature of the demand for junior college instructional services is shifting dramatically away from the baccalaureate programs.

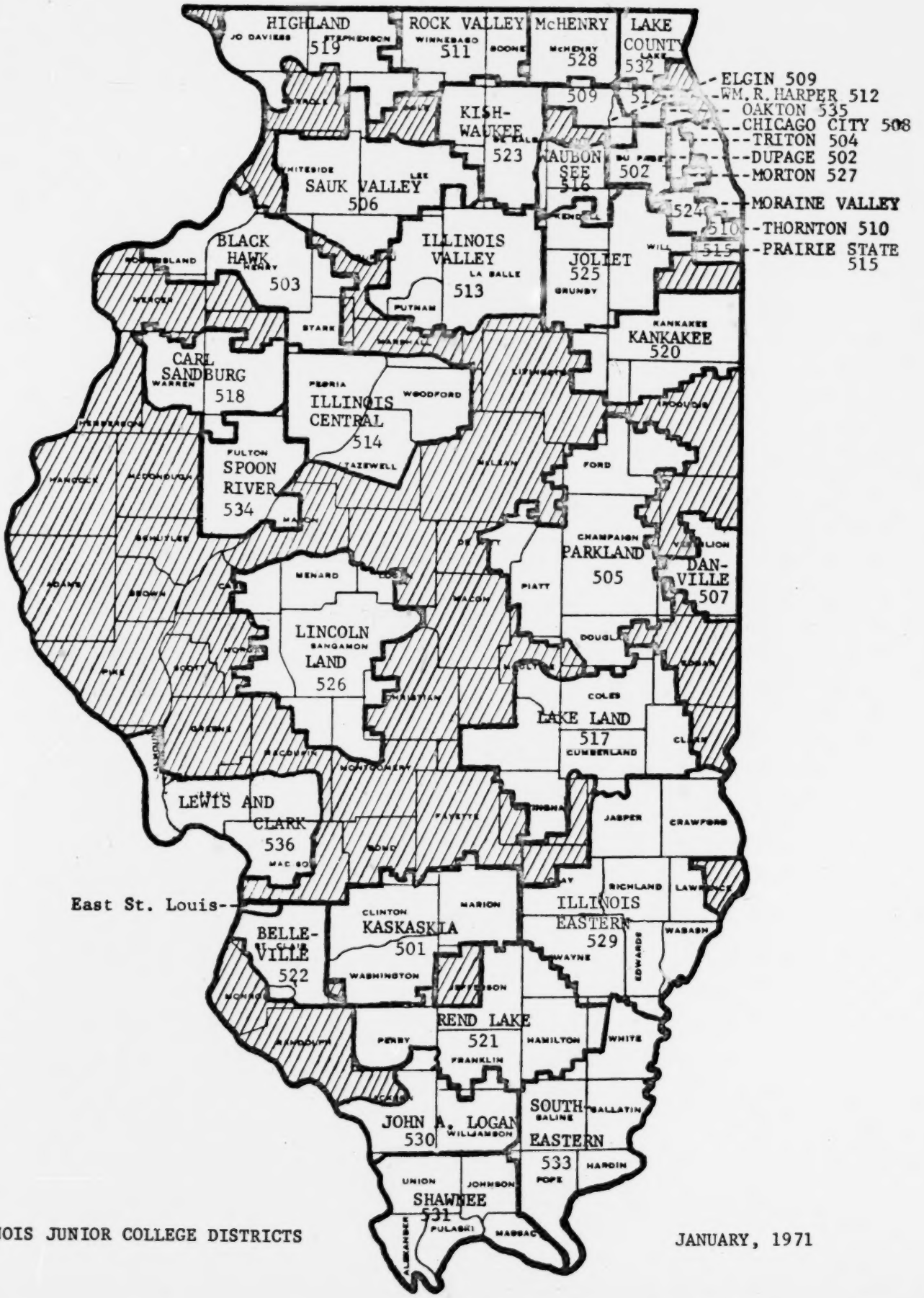
The distribution of junior college teaching loads by SMSA is presented in Appendix 5. In the State as a whole, the baccalaureate teaching load has decreased from 75% of the total teaching load in 1968-1969 to 66% of the total teaching load in 1970-1971. And there are some interesting variations within the SMSA's. Although the Chicago, East St. Louis, Peoria, Rock Island and "Downstate" areas exhibit the State-wide trend, Champaign-Urbana, Rockford, and Springfield SMSA's do not.

More current SBHE data is not yet available, but the trend evident in Appendix 5 has very likely continued through the current fall 1972 semester. It may be that much of the 1972 decelerated enrollment increase in the junior college system is attributable to a decreasing participation rate in junior college baccalaureate programs and that this decreasing participation rate has occurred in the junior colleges for the same reasons that it has occurred in the senior institutions.

It seems prudent at this point to review State-wide policy alternatives aimed at utilizing existing baccalaureate spaces in senior institutions where these spaces can be used to defer expansion of junior college baccalaureate enrollment. For example, since 1970 Southern Illinois University has decreased in enrollment by 4,824 FTE students; but ten of the eleven junior colleges serving the counties in the southern third of the State currently have a total FTE enrollment of less than 3,000 FTE. Expanded financial aid beyond tuition and fees for students who require such assistance in order to enroll full-time

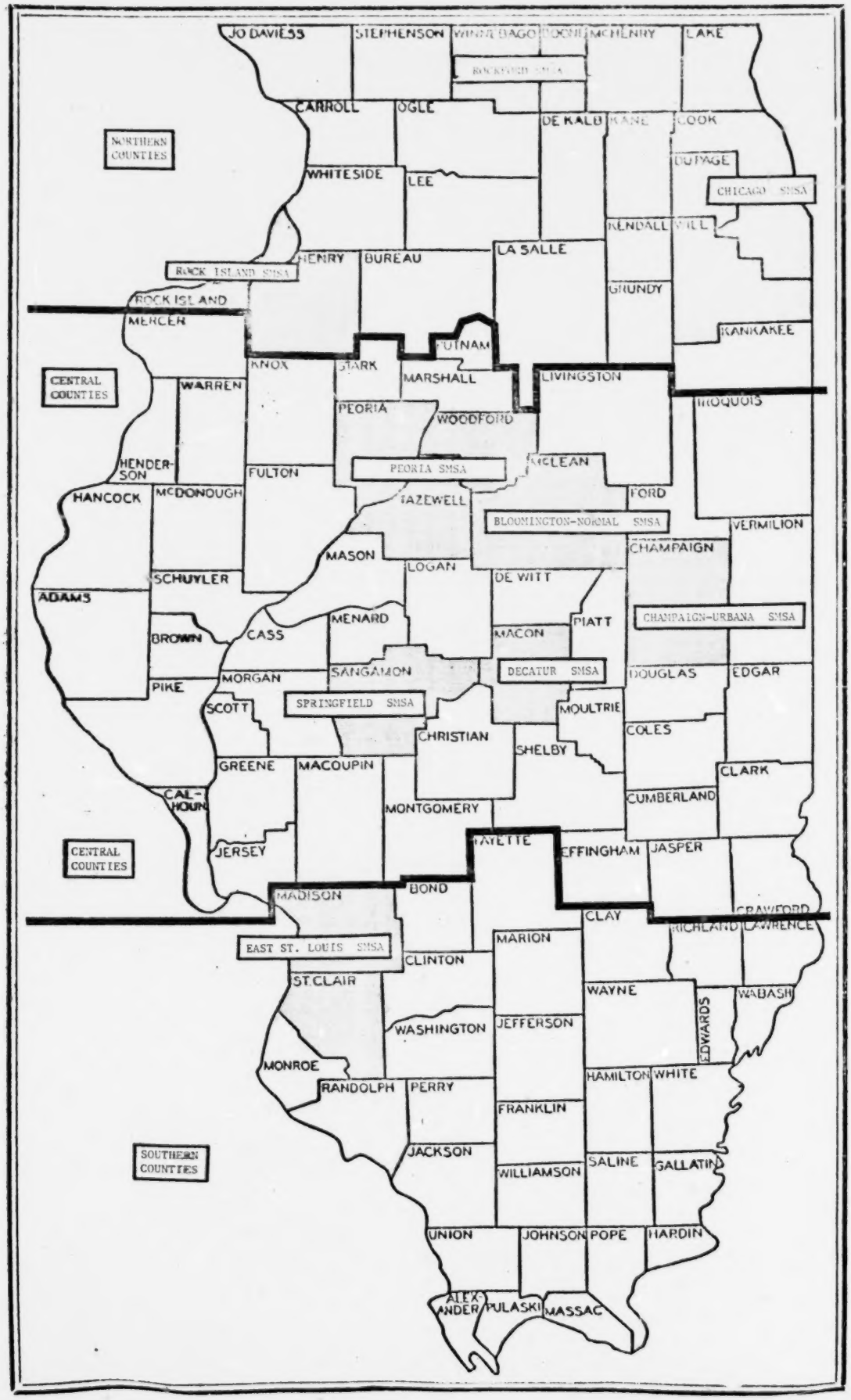
at senior institutions may be one possible alternative to more costly operating and capital expansion of junior college baccalaureate programs.

APPENDIX 1



ILLINOIS JUNIOR COLLEGE DISTRICTS

JANUARY, 1971


JO DAVIESS
STEPHENSON
WINNEBAGO
BOONE
MCHENRY
LAKE
ROCKFORD SMSA
CARROLL
OGLE
DE KALB
KANE
COOK
NORTHERN COUNTIES
DUPAGE
WHITESIDE
LEE
CHICAGO SMSA
KENDALL
WILL
LA SALLE
HENRY
BUREAU
ROCK ISLAND SMSA
GRUNDY
ROCK ISLAND
MERCER
KANKAKEE
PUTNAM
KNOX
STARK
MARSHALL
LIVINGSTON
CENTRAL COUNTIES
WARREN
IROQUOIS
PEORIA
WOODFORD
HENDER-SON
PEORIA SMSA
MCLEAN
FULTON
HANCOCK
MCDONOUGH
TAZEWELL
FORD
BLOOMINGTON-NORMAL SMSA
VERMILION
CHAMPAIGN
MASON
LOGAN
DE WITT
SCHUYLER
ADAMS
CHAMPAIGN-URBANA SMSA
MENARD
PIATT
BROWN
CASS
MACON
DECATUR SMSA
DOUGLAS
EDGAR
PIKE
MORGAN
SANGAMON
SPRINGFIELD SMSA
SCOTT
MOULTRIE
CHRISTIAN
COLES
SHELBY
CLARK
GREENE
MACOUPIN
CAL-HOUN
MONTGOMERY
CUMBERLAND
CENTRAL COUNTIES
JERSEY
FAYETTE
EFFINGHAM
JASPER
MADISON
BOND
CLAY
CRAWFORD
RICHLAND
LAWRENCE
EAST ST. LOUIS SMSA
MARION
CLINTON
ST.CLAIR
WAYNE
WABASH
EDWARDS
WASHINGTON
JEFFERSON
MONROE
HAMILTON
WHITE
RANDOLPH
PERRY
FRANKLIN
SOUTHERN COUNTIES
JACKSON
SALINE
GALLATIN
WILLIAMSON
UNION
JOHNSON
POPE
HARDIN
ALEX-ANDER
PULASKI
MASSAC

STANDARD METROPOLITAN STATISTICAL AREAS

Definition -- Standard Metropolitan Statistical Area (SMSA) is a county or group of contiguous counties which contain at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000 in 1970 or subsequently. In addition to the county, or counties, containing such a city or cities, contiguous counties are included in an SMSA if according to certain criteria, they are socially and economically integrated with the central city.

Illinois contains nine such metropolitan areas. This report is concerned only with those parts of a given metropolitan area lying wholly within the State of Illinois. (i.e., The East St. Louis SMSA includes only those counties in Illinois located within the larger St. Louis SMSA.) The counties that comprise each, and the principal cities in each SMSA are listed below.

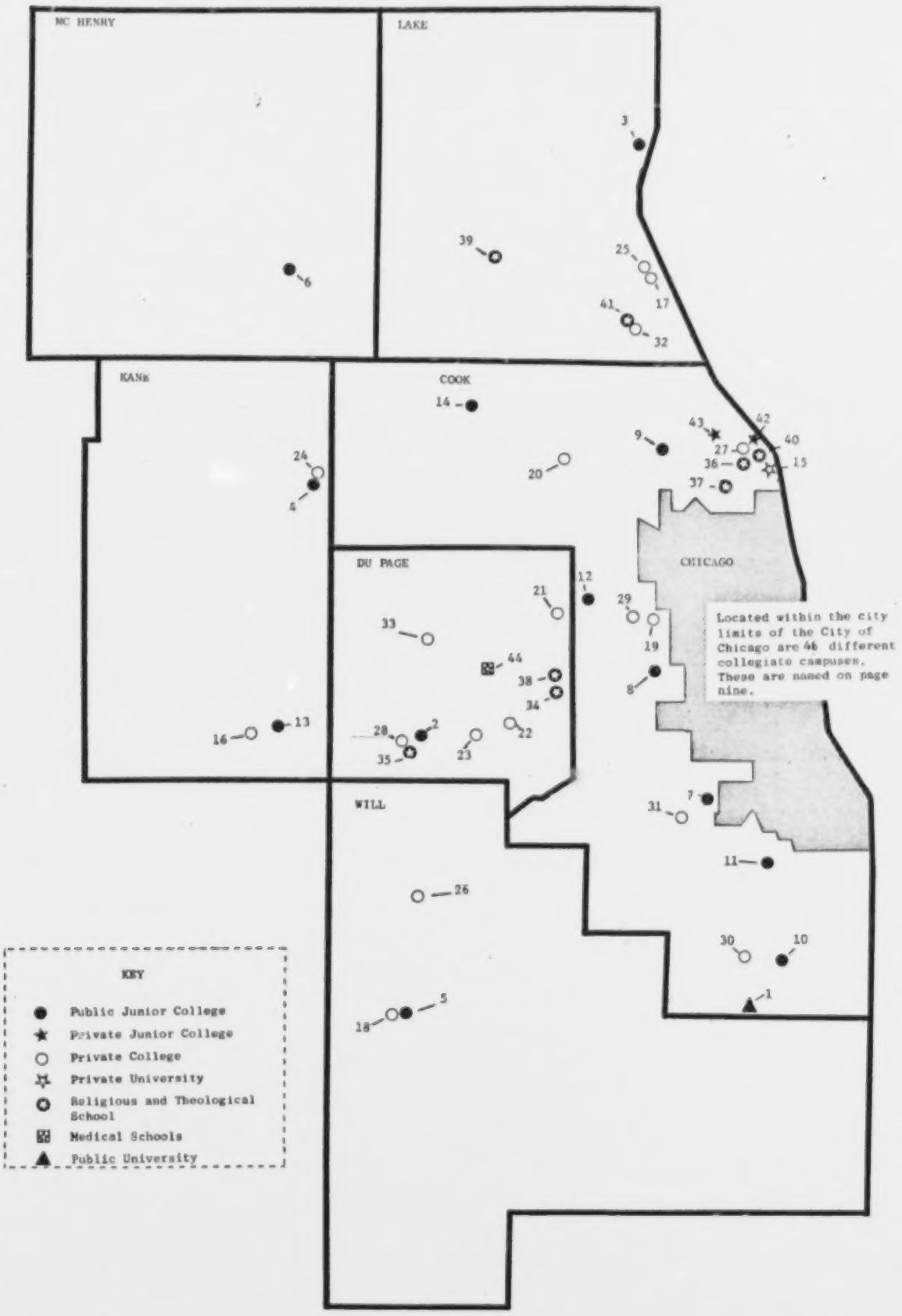
In addition to the breakdown by SMSA's, the state has been arbitrarily divided into three geographical regions — northern, central, and southern -- by counties. This division is indicated by the heavy lines on the map on the facing page. The purpose of this arbitrary division is to permit a rough estimate of the number of college students in various regions of the state.

SMSA	1970* POPULATION	1970* COLLEGE-AGE POPULATION	COUNTIES	PRINCIPAL CITIES
Chicago	6,978,947	427,041	Cook, DuPage Kane, Lake, McHenry, Will	Chicago, suburban cities
East St. Louis	536,110	32,423	Madison, St. Clair	Alton, Belleville, Granite City, East St. Louis
Peoria	341,979	22,181	Peoria, Tazewill, Woodford	Pekin, Peoria
Rockford	272,063	16,550	Boone, Winnebago	Rockford
Rock Island	219,951	13,273	Henry, Rock Island	Moline, Rock Island
Champaign-Urbana	163,281	30,007	Champaign	Champaign-Urbana
Springfield	161,335	8,903	Sangamon	Springfield
Decatur	125,010	7,333	Macon	Decatur
Bloomington-Normal	104,389	14,855	McLean	Bloomington-Normal
Illinois Excluding SMSA's	2,210,911	154,311		
TOTALS	11,113,976	726,877		

* U.S. Department of Commerce/Bureau of the Census, "1970 Census of Population". PC(1)-A15 Illinois, August 1, 1971.

Note: According to an advance report of the U.S. Bureau of the Census, "Estimates of Population of the States," No. 488, July 1, 1972, the estimated total population of Illinois in 1972 is 11,251,000 and its College-Age Population is 761,375.

CHICAGO SMSA



LOCATIONS OF INSTITUTIONS OF HIGHER EDUCATION IN THE CHICAGO STANDARD METROPOLITAN STATISTICAL AREA

CITY OF CHICAGO

I. Public Universities

Chicago State University
Northeastern Illinois University
University of Illinois - Chicago Circle
University of Illinois - Medical Center

II. Public Junior Colleges

Chicago City Colleges
Amundsen-Mayfair College
Kennedy-King College
Loop College
Malcolm X College
Olive-Harvey College
Southwest College
Wright College

III. Private Universities

DePaul University
Illinois Institute of Technology
Loyola University
Roosevelt University
University of Chicago

IV. Private Colleges

Columbia College
Mundelein College
National College of Education - Urban Campus
North Park College and Theological Seminary
St. Xavier College
Spertus College of Judaica

V. Schools of Theology and Religious Education

Chicago Theological Seminary
Lutheran School of Theology at Chicago
McCormick Theological Seminary
Meadville Theological Seminary
Moody Bible Institute

VI. Private Fine Arts Schools

American Conservatory of Music
Chicago Conservatory College
Schools of the Art Institute of Chicago
Sherwood Music School
Vandercook College of Music

VII. Private Medical Schools

Chicago College of Osteopathic Medicine
Chicago Medical School
Illinois College of Optometry
Illinois College of Podiatric Medicine
Rush Medical College

VIII. Private Law Schools

John Marshall Law School

IX. Private Technical Schools

Aero-Space Institute
Chicago Technical College

X. Private Junior Colleges

Central YMCA Community College
Felician College
MacCormac College

XI. Proprietary Institutions

American Academy of Art
Chicago Academy of Fine Arts
DeVry Institute of Technology

INSTITUTIONS IN THE CHICAGO STANDARD METROPOLITAN STATISTICAL AREA

OTHER THAN SCHOOLS LOCATED IN CHICAGO

(The number and symbol locate and describe the institution on the facing map.)

I. Public Universities

1 Governors State University, Park Forest South

II. Public Junior Colleges

2 College of DuPage, Glen Ellyn
3 College of Lake County, Grayslake
4 Elgin Community College, Elgin
5 Joliet Junior College, Joliet
6 McHenry County College, Crystal Lake
7 Moraine Valley Community College, Palos Hills
8 Morton College, Cicero
9 Oakton Community College, Morton Grove
10 Prairie State College, Chicago Heights
11 Thornton Community College, South Holland
12 Triton College, River Grove
13 Waubonsee Community College, Sugar Grove
14 William Rainey Harper College, Elk Grove Village

III. Private Universities

15 Northwestern University, Evanston

IV. Private Colleges

16 Aurora College, Aurora
17 Barat College, Lake Forest
18 College of St. Francis, Joliet
19 Concordia Teachers College, River Forest
20 DeLourdes College, Des Plaines
21 Elmhurst College, Elmhurst
22 George Williams College, Downers Grove
23 Illinois Benedictine College, Lisle
24 Judson College, Elgin
25 Lake Forest College, Lake Forest
26 Lewis College, Lockport
27 National College of Education, Evanston
28 North Central College, Naperville
29 Rosary College, River Forest
30 Tolentine College, Olympia Fields
31 Trinity Christian College, Palos Heights
32 Trinity College, Bannockburn
33 Wheaton College, Wheaton

V. Schools of Theology and Religious Education

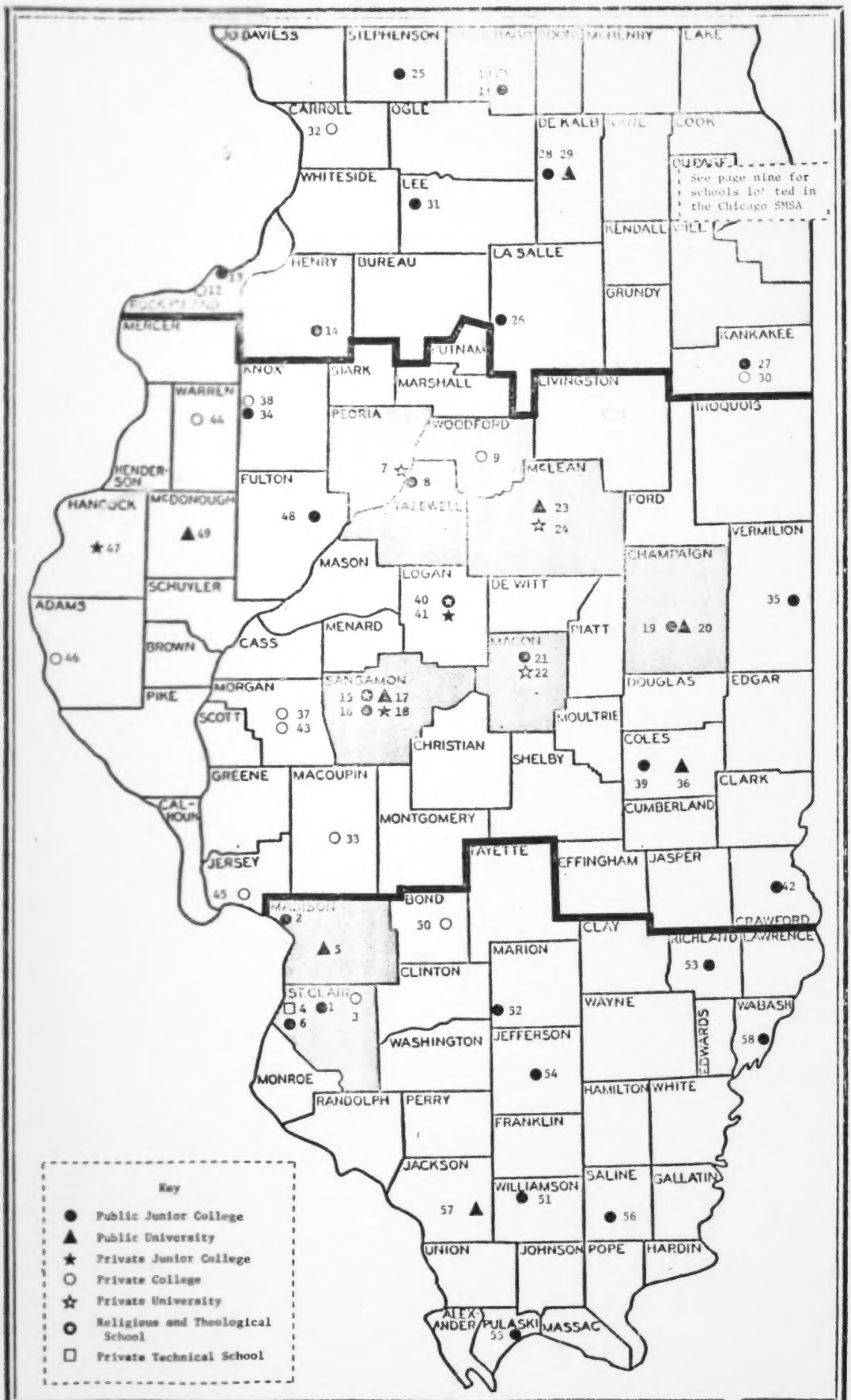
34 Bethany Theological Seminary, Oak Brook
35 Evangelical Theological Seminary, Naperville
36 Garrett Theological Seminary, Evanston
37 Hebrew Theological College, Skokie
38 Northern Baptist Theological Seminary, Oak Brook
39 Saint Mary of the Lake Seminary, Mundelein
40 Seabury-Western Theological Seminary, Evanston
41 Trinity Evangelical Divinity School, Bannockburn

VI. Private Junior Colleges

42 Kendall College, Evanston
43 Mallinckrodt College, Wilmette

VII. Medical Schools

44 National College of Chiropractic, Lombard


JO DAVIESS
STEPHENSON
25
CARROLL
32
OGLE
DE KALB
28 29
COOK
WHITESIDE
LEE
31
See page nine for schools located in the Chicago SMSA
KENDALL
HENRY
BUREAU
LA SALLE
26
GRUNDY
MERCER
14
PUTNAM
KANKAKEE
27
30
KNOX
STARK
MARSHALL
LIVINGSTON
WARREN
38
34
44
PEORIA
WOODFORD
9
IROQUOIS
7
8
HENDERSON
FULTON
McLEAN
23
24
FORD
HANCOCK
47
McDONOUGH
49
48
TAZEWELL
VERMILION
MASON
CHAMPAIGN
LOGAN
40
41
DE WITT
35
SCHUYLER
ADAMS
46
MENARD
PIATT
19
20
BROWN
CASS
MACON
21
22
MORGAN
SANGAMON
15
17
16
18
DOUGLAS
EDGAR
PIKE
37
43
SCOTT
MOULTRIE
CHRISTIAN
SHELBY
COLES
39
36
GREENE
MACOUPIN
CLARK
CAL-HOUN
33
MONTGOMERY
CUMBERLAND
JERSEY
45
FAYETTE
EFFINGHAM
JASPER
42
MADISON
2
5
BOND
50
CRAWFORD
CLAY
RICHLAND
LAWRENCE
53
MARION
CLINTON
ST. CLAIR
4
1
3
6
52
WAYNE
WABASH
58
WASHINGTON
JEFFERSON
EDWARDS
54
MONROE
HAMILTON
WHITE
RANDOLPH
PERRY
FRANKLIN
JACKSON
57
WILLIAMSON
51
SALINE
56
GALLATIN
UNION
JOHNSON
POPE
HARDIN
ALEXANDER
PULASKI
55
MASSAC
Key
Public Junior College
Public University
Private Junior College
Private College
Private University
Religious and Theological School
Private Technical School

LOCATIONS OF INSTITUTIONS OF HIGHER EDUCATION IN ILLINOIS BY STANDARD METROPOLITAN STATISTICAL AREA - EXCLUDING THE CHICAGO AREA
(Number indicates location on map)

East St. Louis SMSA

1 Belleville Area College, Belleville
2 Lewis and Clark Community College, Godfrey
3 McKendree College, Lebanon
4 Parks College of St. Louis University, Cahokia
5 Southern Illinois University, Edwardsville
6 State Community College of East St. Louis, East St. Louis

Peoria SMSA

7 Bradley University, Peoria
8 Illinois Central College, East Peoria
9 Eureka College, Eureka

Rockford SMSA

10 Rockford College, Rockford
11 Rock Valley College, Rockford

Rock Island SMSA

12 Augustana College, Rock Island
13 Black Hawk College, Moline
14 Black Hawk College East, Kewanee

Springfield SMSA

15 Concordia Theological Seminary, Springfield
16 Lincoln Land Community College, Springfield
17 Sangamon State University, Springfield
18 Springfield College in Illinois, Springfield

Champaign-Urbana SMSA

19 Parkland College, Champaign
20 University of Illinois, Urbana

Decatur SMSA

21 Community College of Decatur, Decatur
22 Millikin University, Decatur

Bloomington-Normal SMSA

23 Illinois State University, Normal
24 Illinois Wesleyan University, Bloomington

LOCATIONS OF INSTITUTIONS OF HIGHER EDUCATION IN ILLINOIS NOT WITHIN AN SMSA
(Number indicates location on map)

Northern Counties

25 Highland Community College, Freeport
26 Illinois Valley Community College, Oglesby
27 Kankakee Community College, Kankakee
28 Kishwaukee College, Malta
29 Northern Illinois University, DeKalb
30 Olivet Nazarene College, Kankakee
31 Sauk Valley College, Dixon
32 Shimer College, Mt. Carroll

Central Counties

33 Blackburn College, Carlinville
34 Carl Sandburg College, Galesburg
35 Danville Junior College, Danville
36 Eastern Illinois University, Charleston
37 Illinois College, Jacksonville
38 Knox College, Galesburg
39 Lake Land College, Mattoon
40 Lincoln Christian College, Lincoln
41 Lincoln College, Lincoln
42 Lincoln Trail College, Robinson
43 MacMurray College, Jacksonville
44 Monmouth College, Monmouth
45 Principia College, Elsah
46 Quincy College, Quincy
47 Robert Morris College, Carthage
48 Spoon River College, Canton
49 Western Illinois University, Macomb

Southern Counties

50 Greenville College, Greenville
51 John A. Logan College, Carterville
52 Kaskaskia College, Centralia
53 Olney Central College, Olney
54 Rend Lake College, Mt. Vernon
55 Shawnee College, Ullin
56 Southeastern Illinois College, Harrisburg
57 Southern Illinois University, Carbondale
58 Wabash Valley College, Mt. Carmel

APPENDIX 2

NUMBER OF HIGH SCHOOL GRADUATES - STATE OF ILLINOIS*
(ACTUAL TO 1970, PROJECTED BEYOND)

SMSA and Regions Not Included In SMSA	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1985	1988
CHICAGO																
Number	85,009	83,346	89,631	94,179	97.9	104.3	107.7	103.7	111.0	112.5	115.5	116.1	116.0	113.7	98.0	96.8
Annual Increase		-1,663	6,285	4,548	3,700	6,400	3,400	-4,000	7,300	1,500	3,000	600	-100	-2,300		
Annual % Increase		-1.9	7.5	5.1	3.9	6.5	3.3	-3.7	7.0	1.4	2.7	.5	-.1	2.0		
BLOOMINGTON-NORMAL																
Number	1,196	1,302	1,299	1,485	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.5	1.6
Annual Increase		106	-3	186	0	0	100	100	0	100	0	0	0	100		
Annual % Increase		8.9	-.1	14.3	0	0	6.7	6.2	0	5.9	0	0	0	5.6		
CHAMPAIGN-URBANA																
Number	1,653	1,629	1,836	1,973	2.1	2.3	2.2	2.4	2.5	2.5	2.6	2.7	2.7	2.6	2.2	2.8
Annual Increase		-24	207	137	100	200	-100	200	100	0	100	100	0	-100		
Annual % Increase		-1.4	12.7	7.5	.5	9.5	-4.3	9.1	4.2	0	4.0	3.8	0	-3.7		
DECATUR																
Number	1,725	1,700	1,808	1,798	1.9	1.9	2.0	2.1	2.1	2.0	2.1	2.0	2.1	1.9	1.8	1.7
Annual Increase		-25	108	-10	100	0	100	100	0	-100	100	-100	100	-200		
Annual % Increase		-1.4	6.4	-.6	5.5	0	5.3	5.0	0	-4.8	5.0	-4.7	5.0	-9.5		
EAST ST. LOUIS																
Number	6,976	7,154	7,501	8,088	8.7	9.5	9.4	9.9	10.1	9.8	9.8	9.9	9.9	9.7	7.9	7.7
Annual Increase		178	347	587	600	800	-100	500	200	-300	0	100	0	-200		
Annual % Increase		2.6	4.9	7.8	7.4	9.2	-1.1	5.3	2.0	-2.9	0	1.0	0	2.0		
PEORIA																
Number	4,485	4,456	4,844	5,218	5.6	5.7	5.8	5.8	6.0	5.9	5.9	5.9	5.9	5.7	5.2	5.0
Annual Increase		-29	388	374	400	100	100	0	200	-100	0	0	0	-200		
Annual % Increase		-.6	8.7	7.7	7.7	1.8	1.8	0	3.4	-1.7	0	0	0	-3.4		
ROCKFORD																
Number	3,571	3,616	3,893	4,053	4.1	4.3	4.4	4.5	4.7	4.7	4.7	4.9	4.9	4.8	4.5	4.6
Annual Increase		45	277	160	0	200	100	100	200	0	0	200	0	-100		
Annual % Increase		1.3	7.7	4.1	0	4.9	2.3	2.3	4.5	0	0	4.3	0	-2.0		
ROCK ISLAND																
Number	3,284	3,250	3,358	3,553	3.6	3.9	3.8	4.0	4.2	4.1	4.3	4.3	4.3	4.1	4.0	3.8
Annual Increase		-34	108	195	0	300	-100	200	200	-100	200	0	0	-200		
Annual % Increase		-1.0	3.3	5.8	0	8.3	-2.6	5.3	5.0	-2.4	4.9	0	0	-4.7		
SPRINGFIELD																
Number	2,149	2,258	2,442	2,494	2.6	2.7	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	2.5	2.3
Annual Increase		109	184	52	100	100	-100	100	0	100	0	100	0	0		
Annual % Increase		5.1	8.1	2.1	4.0	3.8	-3.7	3.8	0	3.7	0	3.6	0	0		
NOTHERN "DOWNSTATE"																
Number	8,367	8,683	9,373	9,761	10.1	10.3	10.6	10.9	11.4	11.3	11.9	11.9	12.1	12.0	10.6	10.7
Annual Increase		316	690	388	300	200	300	300	500	-100	600	0	200	-100		
Annual % Increase		3.8	7.9	4.1	3.1	2.0	2.8	2.8	4.6	-.9	5.3	0	1.7	-.8		
CENTRAL "DOWNSTATE"																
Number	15,531	15,545	15,872	16,920	17.0	17.5	17.8	18.4	18.8	18.2	18.9	19.2	19.1	18.8	16.0	15.4
Annual Increase		14	327	1,048	0	500	300	600	400	-200	700	300	-100	-200		
Annual % Increase		--	2.1	6.6	0	2.9	1.7	3.4	2.2	-1.1	3.8	1.6	-.5	-1.0		
SOUTHERN "DOWNSTATE"																
Number	7,937	7,747	7,902	8,442	8.8	8.9	9.2	9.3	9.4	9.1	9.5	9.3	9.3	9.3	8.1	7.9
Annual Increase		-190	155	540	400	100	300	100	100	-300	400	-200	0	0		
Annual % Increase		-2.4	2.0	6.8	4.7	1.1	3.4	1.1	1.1	-3.2	4.4	-2.1	0	0		
STATE TOTAL																
Number	141,883	140,686	149,759	157,964	163.9	172.8	177.1	175.5	184.6	184.6	189.9	191.0	191.2	187.6	162.4	160.4
Annual Increase		-1,197	9,073	8,205	5,900	8,900	4,300	-1,600	9,100	0	5,300	1,100	200	-3,600		
Annual % Increase		-.8	6.4	5.5	3.7	5.4	2.5	-.9	5.2	0	2.9	.6	.1	-1.9		

* A Study of the Cohort Survival of Students in Illinois Elementary and Secondary Schools -- Bureau of Institutional Research, University of Illinois

NOTE: 1967 through 1970 are actual enrollments, 1971 through 1988 are projections rounded to the nearest 100.

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APPENDIX 3

JUNIOR COLLEGE FALL ENROLLMENT - STATE OF ILLINOIS*
(For Junior Colleges Within SMSA's)

HEADCOUNT

SMSA and Regions Not Included in SMSA	1967	1968	1969	1970	1971	1972
CHICAGO						
Headcount	57,272	66,785	78,183	89,059	100,225	104,940
Annual Increase		9,513	11,398	10,876	11,166	4,715
Annual % Increase		16.6	17.1	13.9	12.5	4.7
BLOOMINGTON-NORMAL						
Headcount						
Annual Increase	NONE ESTABLISHED AS OF 1972					
Annual % Increase						
CHAMPAIGN-URBANA						
Headcount	1,332	2,363	2,810	3,381	3,718	4,147
Annual Increase		1,031	447	571	337	429
Annual % Increase		77.4	18.9	20.3	10.0	11.5
DECATUR						
Headcount						1,119
Annual Increase	DECATUR OPENED IN 1972					
Annual % Increase						
EAST ST. LOUIS						
Headcount	3,232	3,473	4,582	6,012	9,014	10,200
Annual Increase		241	1,109	1,430	3,002	1,186
Annual % Increase		7.5	31.9	31.2	49.9	13.2
PEORIA						
Headcount	2,476	3,963	4,963	6,122	7,260	9,113
Annual Increase		1,487	965	1,194	1,138	1,853
Annual % Increase		60.1	24.4	24.2	18.6	25.5
ROCKFORD						
Headcount	3,041	3,452	3,311	4,469	5,162	6,976
Annual Increase		411	-141	1,158	693	1,814
Annual % Increase		13.5	-4.1	35.0	15.5	35.1
ROCK ISLAND						
Headcount	2,734	3,212	3,205	3,716	4,205	4,524
Annual Increase		478	-7	511	489	319
Annual % Increase		17.5	-.2	15.9	13.2	7.6
SPRINGFIELD						
Headcount		1,449	2,865	3,887	4,423	4,222
Annual Increase			1,416	1,022	536	-201
Annual % Increase			97.7	35.7	13.8	-4.5
NORTHERN "DOWNSTATE"						
Headcount	3,716	5,727	7,318	7,793	8,791	8,857
Annual Increase		2,011	1,591	475	998	66
Annual % Increase		55.6	27.8	6.5	12.8	0.8
CENTRAL "DOWNSTATE"						
Headcount	3,596	5,072	5,786	6,745	8,263	8,291
Annual Increase		1,476	714	959	1,518	28
Annual % Increase		41.0	14.1	16.6	22.5	.3
SOUTHERN "DOWNSTATE"						
Headcount	3,896	4,914	6,259	6,650	7,377	7,511
Annual Increase		1,018	1,345	391	727	146
Annual % Increase		26.1	27.4	6.2	10.9	2.0
STATE TOTAL						
Headcount	81,295	100,410	119,247	137,834	158,438	169,900
Annual Increase		19,115	18,837	18,587	20,604	11,462
Annual % Increase		23.5	18.8	15.6	14.9	7.2

FTE

SMSA and Regions Not Included in SMSA	1967	1968	1969	1970	1971	1972
CHICAGO						
FTE	35,113	40,565	47,865	54,629	61,854	63,890
Annual Increase		5,452	7,300	6,764	7,225	2,036
Annual % Increase		15.5	18.0	14.1	13.2	3.3
BLOOMINGTON-NORMAL						
FTE						
Annual Increase	NONE ESTABLISHED AS OF 1972					
Annual % Increase						
CHAMPAIGN-URBANA						
FTE	739	1,515	1,993	2,465	2,685	2,591
Annual Increase		776	478	472	220	-94
Annual % Increase		105.0	31.6	23.7	8.9	-3.5
DECATUR						
FTE						647
Annual Increase	DECATUR OPENED IN 1972					
Annual % Increase						
EAST ST. LOUIS						
FTE	2,132	1,995	2,857	3,873	5,674	6,111
Annual Increase		-137	862	1,016	1,801	437
Annual % Increase		-6.4	43.2	35.6	46.5	7.7
PEORIA						
FTE	1,613	2,687	3,187	3,828	4,404	4,977
Annual Increase		1,074	500	641	576	573
Annual % Increase		66.6	18.6	20.1	15.0	13.0
ROCKFORD						
FTE	2,136	2,271	2,301	2,660	2,880	3,041
Annual Increase		135	30	359	220	161
Annual % Increase		6.3	1.3	15.6	8.3	5.6
ROCKISLAND						
FTE	1,869	2,217	2,290	2,574	3,083	3,170
Annual Increase		348	73	284	509	87
Annual % Increase		18.6	3.3	12.4	19.8	2.8
SPRINGFIELD						
FTE		768	1,863	2,550	2,981	2,844
Annual Increase			1,095	687	431	-137
Annual % Increase			142.6	36.9	16.9	-4.6
NORTHERN "DOWNSTATE"						
FTE	2,867	4,171	5,567	5,830	6,199	6,013
Annual Increase		1,304	1,396	263	369	-186
Annual % Increase		45.5	33.5	4.7	6.3	-3.0
CENTRAL "DOWNSTATE"						
FTE	2,734	4,035	4,634	5,316	6,241	6,202
Annual Increase		1,301	599	682	925	-39
Annual % Increase		47.6	14.8	14.7	17.4	-.6
SOUTHERN "DOWNSTATE"						
FTE	3,330	4,049	5,219	5,780	6,607	6,315
Annual Increase		719	1,170	561	827	-292
Annual % Increase		21.6	28.9	10.7	14.3	-4.4
STATE TOTAL						
FTE	52,533	64,293	77,776	89,505	102,608	106,354
Annual Increase		11,760	13,483	11,729	13,103	3,746
Annual % Increase		22.4	20.9	15.1	14.6	3.7

* Enrollment in Institutions of Higher Learning in Illinois - Bureau of Institutional Research, University of Illinois.

12-1-72

APPENDIX 3

Following is a listing of those junior colleges included in the regions noted on the table entitled "Junior College Fall Enrollment - State of Illinois (For Junior Colleges Within SMSA's)."

CHICAGO
- Chicago City Colleges
- Dupage
- Lake County
- Elgin
- Joliet
- McHenry
- Moraine
- Morton
- Oakton
- Prairie State
- Thornton
- Triton
- Waubonsee
- William Rainey Harper

BLOOMINGTON-NORMAL
- None established as of 1972

CHAMPAIGN-URBANA
- Parkland

DECATUR
- Decatur (opened in 1972)

EAST ST. LOUIS
- Belleville
- Lewis & Clark
- State Community College

PEORIA
- Illinois Central

ROCKFORD
- Rock Valley

ROCK ISLAND
- Black Hawk
- Black Hawk East

SPRINGFIELD
- Lincoln Land

NORTHERN "DOWNSTATE"
- Highland
- Illinois Valley
- Kankakee
- Kishwaukee
- Sauk Valley

CENTRAL "DOWNSTATE"
- Carl Sandburg
- Spoon River
- Danville
- Lake Land
- Lincoln Trail

SOUTHERN "DOWNSTATE"
- John A Logan
- Kaskaskia
- Olney
- Rend Lake
- Shawnee
- Southeastern Illinois
- Wabash Valley

APPENDIX 4

State of Illinois

Junior College Fall Enrollment

	1967	1968	1969	1970	1971	1972
Headcount	81,295	100,410	119,247	137,834	158,438	169,900
Annual Increase		19,115	18,837	18,587	20,604	11,462
Annual % Increase		23.5	18.8	15.6	14.9	7.2
FTE	52,533	64,293	77,776	89,505	102,608	106,356
Annual Increase		11,760	13,483	11,729	13,103	3,748
Annual % Increase		22.4	20.9	15.1	14.6	3.7

High School Graduates	ACTUAL				ESTIMATED		PROJECTED							
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
No. High School Grads	141,883	140,686	149,759	157,964	163,900	172,800	177,100	175,500	184,600	184,600	189,900	191,000	191,200	187,600
Annual Increase		-1,197	9,073	8,205	5,900	8,900	4,300	-1,600	9,100	0	5,300	1,100	200	-3,600
Annual % Increase		-.8	6.4	5.5	3.7	5.4	2.5	-.9	5.2	0	2.9	.6	.1	-1.9

Northern Counties [1],[2]

Junior College Fall Enrollment

	1967	1968	1969	1970	1971	1972
Headcount	66,763	79,176	92,017	105,037	118,383	125,297
Annual Increase		12,413	12,841	13,020	13,346	6,914
Annual % Increase		18.6	16.2	14.1	12.7	5.8
FTE	41,985	49,224	58,023	65,693	74,016	76,114
Annual Increase		7,239	8,799	7,670	8,323	2,098
Annual % Increase		17.2	17.9	13.2	12.7	2.8

High School Graduates

	ACTUAL				ESTIMATED		PROJECTED							
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
No. High School Grads	100,231	98,895	106,255	111,546	115,700	122,800	126,500	123,100	131,300	132,600	136,400	137,200	137,300	134,600
Annual Increase		-1,336	7,360	5,291	4,154	7,100	3,700	-3,400	8,200	1,300	3,800	800	100	-2,700
Annual % Increase		-1.3	7.4	5.0	3.7	6.1	3.0	-2.7	6.7	1.0	2.9	.6	.1	-2.0

(1) Includes the following SMSA: Chicago, Rockford, Rock Island, Northern "Downstate".

(2) Includes the following 21 Junior College Districts: Highland, Rock Valley, McHenry, Lake County, Sauk Valley, Kishwaukee, Waubansee, Black Hawk, Illinois Valley, Joliet, Kankakee, Elgin, Wm. R. Harper, Oakton, Chicago City, Triton, DuPage, Morton, Moraine Valley, Thornton, Prairie State.

Central Counties[1],[2]

Junior College Fall Enrollment

	1967	1968	1969	1970	1971	1972
Headcount	7,404	12,847	16,389	19,667	23,057	26,351
Annual Increase		5,443	3,542	3,278	3,390	3,294
Annual % Increase		73.5	27.6	20.0	17.2	14.3
FTE	5,086	9,005	11,677	13,882	15,899	16,865
Annual Increase		3,919	2,672	2,205	2,017	966
Annual % Increase		77.1	29.7	18.9	14.5	6.1

High School Graduates

	ACTUAL				ESTIMATED		PROJECTED							
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
No. High School Grads	26,739	26,890	28,101	29,888	30,700	31,600	32,000	33,100	33,800	33,200	34,100	34,500	34,500	33,800
Annual Increase		151	1,211	1,787	812	900	400	1,100	700	-600	900	400	0	-700
Annual % Increase		.6	4.5	6.4	2.7	2.9	1.3	3.4	2.1	-1.8	2.7	1.2	0	-2.0

[1] Includes the following SMSA: Peoria, Bloomington-Normal, Champaign-Urbana, Decatur, Springfield, Central "Downstate".

[2] Includes the following 8 Junior College Districts: Carl Sandburg, Spoon River, Illinois Central, Lincoln Land, Decatur, Parkland, Danville, Lake Land.

Southern Counties[1],[2]

Junior College Fall Enrollment

	1967	1968	1969	1970	1971	1972
Headcount	7,128	8,387	10,841	13,130	16,998	18,252
Annual Increase		1,259	2,454	2,289	3,868	1,254
Annual % Increase		17.7	29.3	21.1	29.5	7.4
FTE	5,462	6,044	8,076	9,930	12,693	13,339
Annual Increase		582	2,032	1,854	2,763	646
Annual % Increase		10.7	33.6	22.9	27.8	5.1

High School Graduates

	ACTUAL				ESTIMATED		PROJECTED							
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
No. High School Grads	14,913	14,901	15,403	16,530	17,500	18,400	18,600	19,200	19,500	18,900	19,300	19,200	19,200	19,000
Annual Increase		-12	502	1,127	970	900	200	600	300	-600	400	-100	0	-200
Annual % Increase			3.4	7.3	5.9	5.1	1.1	3.2	1.6	-3.1	2.1	-.5	0	-1.0

(1) Includes the following SMSA: East St. Louis, Southern "Downstate".

(2) Includes the following 9 Junior College Districts: Lewis and Clark, Illinois Eastern, East St. Louis, Belleville, Kaskaskia, Rend Lake, John A. Logan, South Eastern, Shawnee.

APPENDIX 5

Distribution of Junior College Teaching Load
by Major Program Subfunction*
(for Junior Colleges within SMSA's)

	1968-69		1969-70		1970-71	
	FTE	% TOTAL	FTE	% TOTAL	FTE	% TOTAL
Chicago						
Baccalaureate	31,245	78	35,132	74	38,009	68
Voc-Tech	5,993	15	8,421	18	13,407	24
Adult & Cont	996	3	1,645	3	2,406	4
General Studies	1,662	4	2,252	5	2,452	4
TOTAL	39,896	100	47,450	100	56,274	100
Bloomington-Normal						
Baccalaureate						
Voc-Tech	NONE ESTABLISHED AS OF 1972					
Adult & Cont						
General Studies						
TOTAL						
Champaign-Urbana						
Baccalaureate	1,401	48	1,392	48	1,420	61
Voc-Tech	803	27	772	27	784	33
Adult & Cont	661	22	677	23	59	3
General Studies	77	3	69	2	78	3
TOTAL	2,942	100	2,910	100	2,341	100
Decatur						
Baccalaureate						
Voc-Tech	OPENED FALL 1972					
Adult & Cont						
General Studies						
TOTAL						
East St. Louis						
Baccalaureate	1,609	82	2,105	76	2,282	67
Voc-Tech	246	12	584	21	896	27
Adult & Cont	70	4	41	2	186	5
General Studies	46	2	33	1	20	1
TOTAL	1,971	100	2,763	100	3,384	100
Peoria						
Baccalaureate	1,766	72	1,798	58	2,168	55
Voc-Tech	465	19	987	32	1,388	35
Adult & Cont	5	1	73	2	167	4
General Studies	202	8	242	8	252	6
TOTAL	2,438	100	3,100	100	3,975	100
Rockford						
Baccalaureate	1,433	64	1,625	71	1,837	69
Voc-Tech	697	31	587	26	671	25
Adult & Cont	26	1	14	1	111	4
General Studies	90	4	72	3	56	2
TOTAL	2,246	100	2,298	100	2,675	100
Rock Island						
Baccalaureate	1,799	68	1,491	67	1,859	61
Voc-Tech	603	23	440	20	826	27
Adult & Cont	4	--	107	5	276	9
General Studies	243	9	182	8	76	3
TOTAL	2,649	100	2,220	100	3,037	100
Springfield						
Baccalaureate	595	80	2,029	80	1,794	80
Voc-Tech	101	14	366	14	314	14
Adult & Cont	0	--	4	--	41	2
General Studies	52	7	152	6	104	5
TOTAL	748	100	2,551	100	2,253	100
Northern "Downstate"						
Baccalaureate	3,395	71	3,822	69	4,074	66
Voc-Tech	872	18	1,172	21	1,464	24
Adult & Cont	367	8	426	8	497	8
General Studies	134	3	155	3	168	3
TOTAL	4,768	100	5,575	100	6,203	100
Central "Downstate"						
Baccalaureate	2,626	73	3,067	66	3,089	55
Voc-Tech	892	25	1,438	31	1,734	31
Adult & Cont	47	1	76	2	639	11
General Studies	56	2	85	2	138	3
TOTAL	3,621	100	4,666	100	5,600	100
Southern "Downstate"						
Baccalaureate	2,759	85	4,486	69	4,585	67
Voc-Tech	283	9	1,459	23	1,401	21
Adult & Cont	142	4	332	5	695	10
General Studies	79	2	192	3	141	2
TOTAL	3,263	100	6,469	100	6,822	100
STATE TOTAL						
Baccalaureate	48,628	75	56,947	71	61,117	66
Voc-Tech	10,955	17	16,226	20	22,885	25
Adult & Cont	2,318	4	3,395	4	5,077	5
General Studies	2,641	4	3,434	4	3,485	4
TOTAL	64,542	100	80,002	100	92,564	100

* SBHE Cost Study FY69 through FY71.

APPENDIX 6

DISTRIBUTION OF JUNIOR COLLEGE TEACHING LOAD BY MAJOR PROGRAM SUBFUNCTIONS
IN THE THREE MAJOR ZONES OF THE STATE OF ILLINOIS

MAJOR PROGRAM SUBFUNCTION	FTE			PER CENT DISTRIBUTION OF FTE		
	1968-1969	1969-1970	1970-1971	1968-1969	1969-1970	1970-1971
			NORTHERN COUNTIES			
Baccalaureate	37,872	42,070	45,779	76	73	67
Vocational Technology	8,165	10,620	16,368	16	18	24
Adult & Continuing	1,393	2,192	3,290	3	4	5
General Studies	2,129	2,661	2,752	4	5	4
TOTAL	49,559	57,543	68,189			
			CENTRAL COUNTIES			
Baccalaureate	6,388	8,286	8,471	66	63	60
Vocational Technology	2,261	3,563	4,220	23	27	30
Adult & Continuing	713	830	906	7	6	6
General Studies	387	548	572	4	4	4
TOTAL	9,749	13,227	14,169			
			SOUTHERN COUNTIES			
Baccalaureate	4,368	6,591	6,867	83	71	67
Vocational Technology	529	2,043	2,297	10	22	23
Adult & Continuing	212	373	881	4	4	9
General Studies	125	225	161	2	2	2
TOTAL	5,234	9,232	10,206			
			STATE TOTAL			
Baccalaureate	48,628	56,947	61,117	75	71	66
Vocational Technology	10,955	16,226	22,885	17	20	25
Adult & Continuing	2,318	3,395	5,077	4	4	5
General Studies	2,641	3,434	3,485	4	4	4
TOTAL	64,542	80,002	92,564			